

IN THE CLAIMS:

1. (Currently Amended) A collaborative input system comprising:

a host computer,

a display associated with the host computer, the host computer being constructed and arranged to execute an application to provide an image on the display,

at least one un-tethered electromagnetic digitizer provided separate from the host computer, the digitizer having an input surface defining a display space that is mapped to coincide with the display via computer readable medium, at the host computer, having stored thereon sequences of instructions for mapping the space to the display, the digitizer being constructed and arranged to have no display features, the digitizer having ~~and~~ a pen structure operatively associated with the input surface such that proximity of the pen structure with respect to the input surface, as a result of a user's input, is detected by the digitizer, and

a wireless communication link between the host computer and the digitizer such that a user's input can be transmitted from the digitizer, be received by the host computer, and be represented graphically on the display together with the image in real time, thereby permitting a user associated with the digitizer to personally provide input to the host computer displaying the image.

2. (Original) The input system of claim 1, wherein a plurality of electromagnetic digitizers are provided separate from the host computer and separate from each other.

3. (Currently Amended) The input system of claim [1] 2, wherein the communication link includes a radio frequency transceiver at each the digitizer and a single radio frequency transceiver associated with the host computer.

4. (Original) The input system of claim 1, further comprising a digital whiteboard upon which the display is projected.

5. (Original) The input system of claim 1, wherein the pen structure is constructed and arranged to communicate with the input surface in a wireless manner.

6. (Original) The input system of claim 1, wherein the pen structure is constructed and arranged to control mouse functions of the host computer.

7. (Original) The input system of claim 1, wherein the input surface is an opaque writing surface.

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8. (Currently Amended) A collaborative input system comprising:  
a host computer,

means for displaying an image, associated with the host computer, the host computer being constructed and arranged to execute an application to provide an image on the displaying means,

un-tethered electromagnetic digitizing means for inputting data, the digitizing means being separate from the host computer, the digitizing means having an input surface defining a display space that is mapped to coincide with the displaying means via computer readable medium, at the host computer, having stored thereon sequences of instructions for mapping the space to the displaying means, the digitizing means being constructed and arranged to have no display features, the digitizing means having ~~and~~ a pen structure operatively associated with the input surface such that proximity of the pen structure with respect to the input surface, as a result of a user's input, is detected by the digitizing means, and

means for communicating between the host computer and the digitizing means such that a user's input can be transmitted from the digitizing means, be received by the host computer, and be represented graphically on the displaying means together with the image in real time, thereby permitting a users associated with a digitizing means to personally provide input to the host computer displaying the image.

9. (Currently Amended) The input system of claim 8, wherein the digitizing means includes plurality of electromagnetic digitizers, the means for communicating includes a radio frequency transceiver at each the digitizing means and a single radio frequency transceiver associated with the host computer.

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10. (Original) The input system of claim 8, further comprising a digital whiteboard upon which the display is projected.

11. (Original) The input system of claim 8, wherein the pen structure is constructed and arranged to communicate with the input surface in a wireless manner.

12. (Original) The input system of claim 8, wherein the pen structure is constructed and arranged to control mouse functions of the host computer.

13. (Original) The input system of claim 8, wherein the input surface is an opaque writing surface.

14. (Currently Amended) A collaborative input system comprising:  
a host computer,  
a display associated with the host computer,  
at least one un-tethered electromagnetic digitizer provided separate from the host computer, the digitizer having an input surface defining a display space that is mapped to coincide with the display via computer readable medium, at the host computer, having stored thereon sequences of instructions for mapping the space to the display, the digitizer being constructed and arranged to have no display features, the digitizer having, and a pen structure operatively associated with the input surface such that proximity of the pen structure with respect to the input surface, as a result of a user's input, is detected by the digitizer, and

a wireless communication link between the host computer and the digitizer such that a user's input can be transmitted from the digitizer, be received by the host computer, and be represented graphically on the display in real time.

15. (Original) The input system of claim 14, wherein a plurality of electromagnetic digitizers are provided separate from the host computer and separate from each other.

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16. (Currently Amended) The input system of claim [14] 15, wherein the communication link includes a radio frequency transceiver at each digitizer and a single radio frequency transceiver associated with the host computer.

17. (Original) The input system of claim 14, further comprising a digital whiteboard upon which the display is projected.

18. (Original) The input system of claim 14, wherein the pen structure is constructed and arranged to communicate with the input surface in a wireless manner.

19. (Original) The input system of claim 14, wherein the pen structure is constructed and arranged to control mouse functions of the host computer.

20. (Original) The input system of claim 14, wherein the input surface is an opaque writing surface.

21. (Currently Amended) A method of providing input to a host computer having a display associated therewith, the host computer being configured to execute an application to provide an image on the display, the method including:

providing at least one un-tethered electromagnetic digitizer separate from the host computer, the digitizer having an input surface defining a display, the digitizer being constructed and arranged to have no display features, the digitizer having and a pen structure operatively associated with the input surface such that proximity of the

pen structure with respect to the input surface, as a result of a user's input, is detected by the digitizer,

mapping the display space to coincide with the display space via computer readable medium, at the host computer, having stored thereon sequences of instructions for mapping the space to the display,

providing a wireless communication link between the host computer and the digitizer such that a user's input can be transmitted from the digitizer, be received by the host computer, and be represented graphically on the display together with the image in real time, thereby permitting the users associated with the digitizer to personally provide input to the host computer displaying the image.

22. (Currently Amended) A method of capturing presentation information at a host computer, the host computer having a display associated therewith and being configured to execute an application to provide an image on the display, the method including:

capturing a current image on the display,

making the captured image a background image,

capturing annotation associated with the background image made remotely from the host computer via an un-tethered electromagnetic digitizer, the digitizer having an input surface defining a display space that is mapped to coincide with the display via computer readable medium, at the host computer, having stored thereon sequences of instructions for mapping the space to the display, the digitizer being constructed and arranged to have no display features, and

saving the background image and annotation at the host computer.

23. (New) The input system of claim 4, wherein the digital whiteboard communicates wirelessly with the host computer.

24. (New) The input system of claim 10, wherein the digital whiteboard communicates wirelessly with the host computer.

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25. (New) The input system of claim 17, wherein the digital whiteboard communicates wirelessly with the host computer.

